

METHOD AND SYSTEM FOR OVERLOADED ARRAY PROCESSING

ABSTRACT OF THE DISCLOSURE

According to the present invention, a method and system for array processing are disclosed. Signals transmitting a symbol set are received. A dominant signal set for each signal, which includes dominant signals that interfere with the signal, is determined. A trellis, which includes paths that represent possible symbol sets, is constructed from the dominant signal sets. An optimal path from the trellis is selected, and the symbol set represented by the optimal path is determined.